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RAW SEQUENCE LISTING

DATE: 09/15/2004

PATENT APPLICATION: US/10/734,730

TIME: 10:21:47

Input Set : A:\nidn10314.txt

Output Set: N:\CRF4\09152004\J734730.raw

3 <110> APPLICANT: Klaveness, Jo
 4 Rongved, Pal
 5 Hogset, Anders
 6 Tolleshaug, Helge
 7 Cuthbertson, Alan
 8 Godal, Aslak
 9 Hoff, Lars
 10 Gogstad, Geir
 11 Bryn, Klaus
 12 Naevestad, Anne
 13 Lovhaug, Dagfinn
 14 Hellebust, Halldis
 15 Solbakken, Magne
 17 <120> TITLE OF INVENTION: Diagnostic/Therapeutic Agents
 19 <130> FILE REFERENCE: NIDN-10314
 21 <140> CURRENT APPLICATION NUMBER: 10/734,730
 22 <141> CURRENT FILING DATE: 2003-12-15
 24 <150> PRIOR APPLICATION NUMBER: 09/925,715
 25 <151> PRIOR FILING DATE: 2001-08-10
 27 <150> PRIOR APPLICATION NUMBER: 08/959,206
 28 <151> PRIOR FILING DATE: 1997-10-28
 30 <150> PRIOR APPLICATION NUMBER: 60/049,263
 31 <151> PRIOR FILING DATE: 1997-06-07
 33 <150> PRIOR APPLICATION NUMBER: 60/049,264
 34 <151> PRIOR FILING DATE: 1997-06-06
 36 <150> PRIOR APPLICATION NUMBER: 60/049,266
 37 <151> PRIOR FILING DATE: 1997-06-07
 39 <160> NUMBER OF SEQ ID NOS: 20
 41 <170> SOFTWARE: PatentIn version 3.1
 43 <210> SEQ ID NO: 1
 44 <211> LENGTH: 4
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Description of Artificial Sequence: Heparin sulphate binding
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 50 ide
 52 <400> SEQUENCE: 1
 54 Lys Arg Lys Arg
 55 1
 58 <210> SEQ ID NO: 2
 59 <211> LENGTH: 8
 60 <212> TYPE: PRT
 61 <213> ORGANISM: Artificial Sequence



P.b

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63 <220> FEATURE:
64 <223> OTHER INFORMATION: Description of Artificial Sequence: Fibronectin peptide
66 <400> SEQUENCE: 2
68 Trp Gln Pro Pro Arg Ala Arg Ile
69 1 5
72 <210> SEQ ID NO: 3
73 <211> LENGTH: 13
74 <212> TYPE: PRT
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Description of Artificial Sequence: Lipopeptide consisting of
hep 79 arin sulphate binding peptide and fibronectin peptide
81 <220> FEATURE:
82 <221> NAME/KEY: MOD_RES
83 <222> LOCATION: (1)..(1)
84 <223> OTHER INFORMATION: Dipalmitoyl-lysine
87 <400> SEQUENCE: 3
89 Lys Lys Arg Lys Arg Trp Gln Pro Pro Arg Ala Arg Ile
90 1 5 10
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 4
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RGDC sequence
101 <400> SEQUENCE: 4
103 Arg Gly Asp Cys
104 1
107 <210> SEQ ID NO: 5
108 <211> LENGTH: 24
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic fusion peptide
comp 114 rising a PS binding component and a fibronectin peptide sequence
116 <400> SEQUENCE: 5
118 Phe Asn Phe Arg Leu Lys Ala Gly Gln Lys Ile Arg Phe Gly Gly Gly
119 1 5 10 15
122 Gly Trp Gln Pro Pro Arg Ala Ile
123 20
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 6
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: Biotinylated endothelin-
1 pep 133 tide
135 <220> FEATURE:
136 <221> NAME/KEY: MOD_RES

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137 <222> LOCATION: (1)..(1)
138 <223> OTHER INFORMATION: Biotin-D-Trp
141 <400> SEQUENCE: 6
143 Trp Leu Asp Ile Ile Trp
144 1 5
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 10
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Biotinylated fibrin-
antipolym
154 erant peptide
156 <220> FEATURE:
157 <221> NAME/KEY: MOD_RES
158 <222> LOCATION: (1)..(1)
159 <223> OTHER INFORMATION: Biotin-Gly
162 <220> FEATURE:
163 <221> NAME/KEY: MOD_RES
164 <222> LOCATION: (10)..(10)
165 <223> OTHER INFORMATION: AMIDATION
168 <400> SEQUENCE: 7
170 Gly Pro Arg Pro Pro Glu Arg His Gln Ser
171 1 5 10
174 <210> SEQ ID NO: 8
175 <211> LENGTH: 6
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: Lipopeptide
182 <220> FEATURE:
183 <221> NAME/KEY: MOD_RES
184 <222> LOCATION: (5)..(5)
185 <223> OTHER INFORMATION: Biotinylated-lys
188 <220> FEATURE:
189 <221> NAME/KEY: MOD_RES
190 <222> LOCATION: (1)..(1)
191 <223> OTHER INFORMATION: Dipalmitoyl-lysine
194 <400> SEQUENCE: 8
196 Lys Trp Lys Lys Lys Gly
197 1 5
200 <210> SEQ ID NO: 9
201 <211> LENGTH: 25
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: Biotinylated synthetic
oligon
207 ucleotide
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature

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```

211 <222> LOCATION: (1)..(1)
212 <223> OTHER INFORMATION: Biotinylated
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216 gaaaggtagt ggggtcgtgt gccgg                25
219 <210> SEQ ID NO: 10
220 <211> LENGTH: 25
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Biotinylated synthetic
oligon
226      ucleotide
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: (1)..(1)
231 <223> OTHER INFORMATION: Biotinylated
234 <400> SEQUENCE: 10
235 ggcgctgatg atgttggtga ttctt                25
238 <210> SEQ ID NO: 11
239 <211> LENGTH: 5
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: Lipopeptide containing
the RGD
245      sequence and a fluorescein reporter group
247 <220> FEATURE:
248 <221> NAME/KEY: MOD_RES
249 <222> LOCATION: (1)..(1)
250 <223> OTHER INFORMATION: Dipalmitoyl-lys
253 <220> FEATURE:
254 <221> NAME/KEY: MOD_RES
255 <222> LOCATION: (4)..(4)
256 <223> OTHER INFORMATION: Acetyl-RGD-K-fluorescein side chain
259 <400> SEQUENCE: 11
261 Lys Lys Lys Lys Gly
262 1      5
265 <210> SEQ ID NO: 12
266 <211> LENGTH: 18
267 <212> TYPE: PRT
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic endothelial
cell bi
272      nding lipopeptide
274 <220> FEATURE:
275 <221> NAME/KEY: MOD_RES
276 <222> LOCATION: (1)..(1)
277 <223> OTHER INFORMATION: 2-n-hexadecylstearyl-lysine
280 <220> FEATURE:
281 <221> NAME/KEY: MOD_RES
282 <222> LOCATION: (18)..(18)

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Input Set : A:\nidn10314.txt

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283 <223> OTHER INFORMATION: AMIDATION
286 <400> SEQUENCE: 12
288 Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys
289 1          5          10          15
292 Leu Ala
296 <210> SEQ ID NO: 13
297 <211> LENGTH: 5
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: Thiol functionalised
lipid mo
303      lecule
305 <220> FEATURE:
306 <221> NAME/KEY: MOD_RES
307 <222> LOCATION: (1)..(1)
308 <223> OTHER INFORMATION: Dipalmitoyl-lysine
311 <220> FEATURE:
312 <221> NAME/KEY: MISC_FEATURE
313 <222> LOCATION: (4)..(4)
314 <223> OTHER INFORMATION: Acp
317 <400> SEQUENCE: 13
W--> 319 Lys Lys Lys Xaa Cys
320 1          5
323 <210> SEQ ID NO: 14
324 <211> LENGTH: 4
325 <212> TYPE: PRT
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic lipopeptide
functio
330      nalised with captopril
332 <220> FEATURE:
333 <221> NAME/KEY: MOD_RES
334 <222> LOCATION: (1)..(1)
335 <223> OTHER INFORMATION: Dipalmitoyl-lysine
338 <220> FEATURE:
339 <221> NAME/KEY: MOD_RES
340 <222> LOCATION: (4)..(4)
341 <223> OTHER INFORMATION: AMIDATION
344 <220> FEATURE:
345 <221> NAME/KEY: MOD_RES
346 <222> LOCATION: (4)..(4)
347 <223> OTHER INFORMATION: Amide-linked via side chain to captopril
350 <400> SEQUENCE: 14
352 Lys Lys Lys Lys
353 1
356 <210> SEQ ID NO: 15
357 <211> LENGTH: 13
358 <212> TYPE: PRT
359 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/734,730

DATE: 09/15/2004
TIME: 10:21:48

Input Set : A:\nidn10314.txt
Output Set: N:\CRF4\09152004\J734730.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; Xaa Pos. 4
Seq#:15; Xaa Pos. 4

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/734,730

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Input Set : A:\nidn10314.txt

Output Set: N:\CRF4\09152004\J734730.raw

L:319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0

L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0